

**BY ORDER OF THE COMMANDER
AIR COMBAT COMMAND**

ACC MISSION DIRECTIVE 205, VOLUME 3

20 JULY 2010

Operations Support

**WING--505TH COMMAND AND CONTROL
WING**



COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

ACCESSIBILITY: Publications and forms are available on the e-Publishing website at www.e-Publishing.af.mil for downloading.

RELEASABILITY: There are no releasability restrictions on this publication.

OPR: HQ ACC/A3Y

Certified by: HQ ACC/A3-2
(Col James G. Riemens-Van Laare)

Pages: 4

This mission directive implements AFRPD 10-1, *Mission Directives*. It prescribes the mission and responsibilities of the 505th Command and Control Wing (505 CCW). This mission directive applies to Air National Guard (ANG) when published in the ANGIND 2. It also applies to Air Force Reserve Command (AFRC) units and members when published in the AFRESIND 2. Ensure that all records created as a result of processes prescribed in this publication are maintained in accordance with (IAW) Air Force Manual 33-363, *Management of Records*, and disposed of IAW Air Force Records Information Management System (AFRIMS) Records Disposition Schedule located at <https://www.my.af.mil/gcss-af61a/afirms/afirms/>. Contact supporting records managers as required. Send comments and suggested improvements to this publication on AF Form 847, *Recommendation for Change of Publication*, through channels to HQ ACC/A3Y, 205 Dodd Blvd, Langley AFB VA 23665-2792.

1. Mission. The mission of the 505 CCW is to improve warfighter capability through command and control testing, tactics development, and training.

2. Command. The 505 CCW is an Air Combat Command (ACC) Wing organized under the United States Air Force Warfare Center (USAFWC).

3. Responsibilities. Commander, 505 CCW will:

3.1. Provide training for Component Numbered Air Force (C-NAF) Headquarters.

3.1.1. Produce Basic Qualified crew members for Air and Space Operation Centers (AOC) by conducting Initial Qualification Training. Make this training available to other Service, Joint and Coalition Liaison Officers and Duty Officers.

3.1.2. Develop Operational Art/excellence through the conduct of air operations leadership training.

3.1.2.1. Train AOC Division Chiefs and select MAJCOM/NAF-level Directors.

3.1.2.2. Provide training for senior officers covering AOC, Air Force Forces (AFFOR) Staff and Air Component Coordination Element academics.

3.1.2.3. Support the Air University with systems academics, as well as AOC training.

3.1.2.4. Provide Intermediate-level AFFOR Staff training to develop foundational skills necessary to execute warfighting headquarters staff responsibilities on behalf of the COMMAFFOR.

3.1.3. Train joint and coalition personnel possessing appropriate clearance and access, who are assigned to or interface with an AOC to perform Service liaison or other duties.

3.1.4. Conduct advanced Command and Control (C2) and Intelligence, Surveillance & Reconnaissance (ISR) training for AOC/AFFOR Staff Senior Leaders.

3.1.5. Provide Continuation Training (CT) opportunities for C-NAF Headquarters.

3.1.5.1. Develop, execute, control, and assess during BLUE FLAG or other operational-level exercises.

3.1.5.2. Provide AOC CT opportunities during VIRTUAL FLAG (VF) exercises.

3.1.5.3. Provide AOC CT opportunities during RED FLAG (RF) exercises.

3.2. Provide training opportunities for C2 and ISR systems and personnel/crews, in addition to C-NAF.

3.2.1. Develop, execute, control, and assess Warfighter Focused Events (WFE), VF and Joint Kill Chain Events (JKCE) using a combination of Live, Virtual, and Constructive (LVC) capabilities.

3.2.2. Provide support to the USAF Weapons School Mission Employment (ME) phase by providing AOC representation and integration opportunities.

3.2.3. Develop and enhance integration between the Distributed Mission Operations Center, Combined Air Operations Center-Nellis and Hurlburt LVC capabilities in support of RF, VF, WFE, JKCE, and Weapons School ME.

3.3. Provide liaison and exercise support to the Combined Arms Center (CAC) on air, space and cyberspace power employment with direct support to the Battle Command Training Program.

3.3.1. Produce exercise support and execution plans to train Higher Headquarters (HHQ) directed and CAC-assigned training audiences.

3.4. Provide Joint National Training Capability Air, Space, and Cyber employment liaison to U.S. Joint Forces Command directed training, joint/coalition service training and other events as directed by USAFWC.

3.5. Support ACC implementation of Operational Warfighter initiatives as directed by the Operational Warfighter/Coal Warfighter Roadmap.

3.6. Support development of Distributed Mission Operations capabilities for the AF and support integration of multi-level security/cross-domain solutions to allow full participation by AF assets and in support of joint and coalition participation in testing, tactics, and training.

3.7. Enhance operational-level C2 through the tactics development program.

3.8. Provide support to C2 and ISR capability development through participation in forums such as the AOC Operational Review Board, AOC Requirements Review Board, and the Combat Air Forces Realistic Training Review Board.

3.9. Support C2 and ISR evolutionary acquisition and Operational Test for C2 and ISR weapons systems, including: E-3 B/C AWACS, E-8C Joint STARS, AOC, TBMCS FL, TBMCS UL/UC2, PR C2, Tactical Air Control Party (TACP), Control and Reporting Center (CRC) and Distributed Common Ground System (DCGS).

3.9.1. Provide reports on the operational effectiveness, suitability, net-centricity and impact for C2 and ISR weapons systems, including: E-3 B/C AWACS, E-8C Joint STARS, AOC, TBMCS FL, TBMCS UL/UC2, PR C2, TACP, CRC and DCGS that allow decision-makers to make informed decisions about materiel and non-materiel solutions to warfighter needs.

3.10. Provide live-fly planning, modeling and simulations, control, and assessment support to Joint Expeditionary Force Experiment and other experimentation as directed by USAFWC.

3.11. Monitor, evaluate and optimize long-range radar in support of geographic Combatant Commanders as tasked by HHQ.

3.12. Integrate Air, Space and Cyber into 505 CCW test, tactics development, training, and exercise planning and execution events.

3.13. Form Adopted: AF Form 847, *Recommendation for Change of Publication*

WILLIAM M. FRASER III, General, USAF
Commander

Attachment 1**GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION*****References***

AFPD 10-1 (<http://www.e-publishing.af.mil/shared/media/epubs/AFPD10-1.pdf>), *Mission Directives*

AFMAN 33-363 (<http://www.e-publishing.af.mil/shared/media/epubs/AFMAN33-363.pdf>), *Management of Records*

Abbreviations and Acronyms

CCW— 505th Command and Control Wing

ACC— Air Combat Command

AFFOR— Air Force Forces

AFRC— Air Force Reserve Command

ANG— Air National Guard

AOC— Air and Space Operations Center

C2— Command and Control

CAC— Combined Arms Center

CRC— Control and Reporting Center

CT— Continuation Training

NAF— Component-Numbered Air Force

DCGS— Distributed Common Ground System

HHQ— Higher Headquarters

ISR— Intelligence, Surveillance & Reconnaissance

JKCE— Joint Kill Chain Events

LVC— Live, Virtual, Constructive

ME— Mission Employment

RF— RED FLAG

TACP— Tactical Air Control Party

USAFWC— United States Air Force Warfare Center

VF— VIRTUAL FLAG

WFE— Warfighter Focused Events